

ABSTRACT

A safety stock amount calculation method includes step S8
5 for calculating a probability P_b that a delivery time for a
certain commodity required by a customer is shorter than its
lead time L , step S9 for calculating an average value LL of a
difference between the lead time L and the customer's required
delivery time when the lead time L exceeds the customer's
10 required delivery time, step S10 for correcting an inventory
adjustment period N by using the average value LL , and step
S11 for calculating a safety stock amount SS by the equations
 $SS = PB \times k \times (\sqrt{N \times F}) \times \sigma$, wherein σ is a standard deviation
of demand for the commodity, N is a corrected inventory
15 adjustment period, P_b is a probability, F is a shipment
frequency, and k is a safety coefficient.